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## WHAT I CLAIM IS:

A support structure for isolating earthquake motions, comprising:

a pressure receiving concave-curved steel

plate connected with a structure foundation and

a pressure applying convex-curved steel plate

connected with a foundation column oppositing to

said concave-curved steel plate, thus forming a

gauge portion between them;

(a means of (interposing) two types of pluralities

of steel balls in said gauge between the concave—

curved steel plate and convex—curved steel plate;

(a means of (arranging) one type of said balls

to be made with (less accuracy) smaller diameter

than that of other group of balls:

of steel balls with aligning frame so that they are mounted to come in point contact in all directions:

a means of isolating a linkage of earthquake

motions by confrictless rolling slide of said

types of steel balls, a group of pressure receiv
ing larger balls and a group of pressure applyig

smaller balls;

bottom steel plates except said curved surfaces
with concrete, thus forming a column as a foundation of a constructure;

a means of jointing said column including said pressure applying convex curved surface with a foundation of a structure by bolts and nuts;

means of isolating the linkage of earthquake motions to the structure by unified simultaneous rolling of said two types of balls:

2. A support structure for isolating earthquake motions as claimed in claim 1; (a means of moving the structural column vertically by foundation pressure receiving curved surface, thereby, stops a propagating movement of earthquake by shock absorber effect of

spherical level difference (energy generated), by which isolating the earthquake motion and stopp— ing the free movement.

3. A support structure for isolating earthquake motions as claimed in claim 1; , it is the foundation hoop a function of suppress the foundation column not to remove from the pressure receiving balls when jump-up phenomenon caused by directly under earthquake or float-up phenomenon caused by typhoon, in this case the hoop is put on the foundation.